

0590
07/10 # 9



ENTERED

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/090,965

DATE: 07/18/2002
TIME: 10:54:33

Input Set : A:\110.01480101.ST25.txt
Output Set: N:\CRF3\07182002\J090965.raw

```

3 <110> APPLICANT: Regents of the University of Minnesota
4      Srienc, Friedrich
5      Ross, Carlson
7 <120> TITLE OF INVENTION: PRODUCTION OF POLYHYDROXYALKANOATES
9 <130> FILE REFERENCE: 110.01480101
11 <140> CURRENT APPLICATION NUMBER: US 10/090,965
C--> 12 <141> CURRENT FILING DATE: 2002-07-01
14 <150> PRIOR APPLICATION NUMBER: US 60/294,729
15 <151> PRIOR FILING DATE: 2001-05-31
17 <150> PRIOR APPLICATION NUMBER: US 60/272,935
18 <151> PRIOR FILING DATE: 2001-03-02
20 <160> NUMBER OF SEQ ID NOS: 14
22 <170> SOFTWARE: PatentIn version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 44
26 <212> TYPE: DNA
C--> 27 <213> ORGANISM: ARTIFICIAL
29 <220> FEATURE:
30 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
32 <400> SEQUENCE: 1
33 gaagtgaatt cactttgtaa catcgatctc attttttattg aatt          44
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 33
38 <212> TYPE: DNA
C--> 39 <213> ORGANISM: ARTIFICIAL
41 <220> FEATURE:
42 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
44 <400> SEQUENCE: 2
45 ccgggtacaat tcgggtcgac gttaactctc ctt          33
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 30
50 <212> TYPE: DNA
C--> 51 <213> ORGANISM: ARTIFICIAL
53 <220> FEATURE:
54 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
56 <400> SEQUENCE: 3
57 attatcgatg actgacgttg tcatcgatc          30
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 30
62 <212> TYPE: DNA
C--> 63 <213> ORGANISM: ARTIFICIAL
65 <220> FEATURE:
66 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/090,965

DATE: 07/18/2002

TIME: 10:54:33

Input Set : A:\110.01480101.ST25.txt
 Output Set: N:\CRF3\07182002\J090965.raw

```

68 <400> SEQUENCE: 4
69 taagaattct tatttgcgct cgactgccag 30
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 32
74 <212> TYPE: DNA
C--> 75 <213> ORGANISM: ARTIFICIAL
77 <220> FEATURE:
78 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
80 <400> SEQUENCE: 5
81 ttccagaattc tatcgatttt agattgctat gc 32
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 23
86 <212> TYPE: DNA
C--> 87 <213> ORGANISM: ARTIFICIAL
89 <220> FEATURE:
90 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
92 <400> SEQUENCE: 6
93 tcttaaagct tcttagtcga gcc 23
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 25
98 <212> TYPE: DNA
C--> 99 <213> ORGANISM: ARTIFICIAL
101 <220> FEATURE:
102 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
104 <400> SEQUENCE: 7
105 ttacttgaag cttacaacaacc atagg 25
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 30
110 <212> TYPE: DNA
C--> 111 <213> ORGANISM: ARTIFICIAL
113 <220> FEATURE:
114 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
116 <400> SEQUENCE: 8
117 aattcgggtc gacgatatct ctccttgacg 30
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 31
122 <212> TYPE: DNA
C--> 123 <213> ORGANISM: ARTIFICIAL
125 <220> FEATURE:
126 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
128 <400> SEQUENCE: 9
129 attatcgatg actcagcgca ttgcgtatgt g 31
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 29
134 <212> TYPE: DNA
C--> 135 <213> ORGANISM: ARTIFICIAL
137 <220> FEATURE:
138 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
140 <400> SEQUENCE: 10

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/090,965

DATE: 07/18/2002

TIME: 10:54:33

Input Set : A:\110.01480101.ST25.txt
Output Set: N:\CRF3\07182002\J090965.raw

141 attgaattca gcccatatgc aggccgccc 29
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 30
146 <212> TYPE: DNA
C--> 147 <213> ORGANISM: ARTIFICIAL
149 <220> FEATURE:
150 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
152 <400> SEQUENCE: 11
153 accccatcgat taattatagt tcgttgaccg 30
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 30
158 <212> TYPE: DNA
C--> 159 <213> ORGANISM: ARTIFICIAL
161 <220> FEATURE:
162 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
164 <400> SEQUENCE: 12
165 accgctcgag ttgcacccac acatttatac 30
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 30
170 <212> TYPE: DNA
C--> 171 <213> ORGANISM: ARTIFICIAL
173 <220> FEATURE:
174 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
176 <400> SEQUENCE: 13
177 attgtcgacg tcttactct gtgtttattt 30
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 32
182 <212> TYPE: DNA
C--> 183 <213> ORGANISM: ARTIFICIAL
185 <220> FEATURE:
186 <223> OTHER INFORMATION: OLIGONUCLEOTIDE PRIMER
188 <400> SEQUENCE: 14
189 accggtacccg acgtcccttt catcacgtgc ta 32

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/18/2002
PATENT APPLICATION: US/10/090,965 TIME: 10:54:34

Input Set : A:\110.01480101.ST25.txt
Output Set: N:\CRF3\07182002\J090965.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/090,965

DATE: 07/18/2002

TIME: 10:54:34

Input Set : A:\110.01480101.ST25.txt

Output Set: N:\CRF3\07182002\J090965.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:39 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:51 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:63 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:75 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:87 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:99 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:111 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:123 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:135 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:147 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:159 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:171 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:183 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14